LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A multi-carrier transmitter assembly, comprising:

a digital exciter that provides a digital multi-carrier signal from baseband data;

a digital-to-analog converter that converts the digital multi-carrier signal into an analog multi-carrier signal;

a signal distributor that deserializes the analog multi-carrier signal into a plurality of analog carrier signals, the signal distributor comprising at least one stopband filter having at least one stopband, each of the at least one stopband having an associated center frequency, the digital exciter being operative to adjust the respective center frequencies of the at least one stopband; and

a plurality of antennas, each of the plurality of antennas transmitting at least one of the plurality of analog carrier signals.

2. (Cancelled)

3. (Currently Amended) The assembly of claim [[2]] 1, the at least one stopband filter comprising a surface acoustic wave (SAW) filter having at least one electrically actuatable micromechanical structures.

4. (Currently Amended) The assembly of claim [[2]] 1, the signal distributor further comprising at least one passband filter having at least one passband, each of the at least one passband having an associated ~~the at least one frequency characteristic comprising a~~ center frequency ~~of a associated with the at least one passband filter~~, the digital exciter being operative to adjust the respective center frequencies of the at least one passband.

5. (Currently Amended) The assembly of claim [[2]] 4, ~~the at least one frequency characteristic comprising~~ a given passband filter from the at least one passband filter having a plurality of passbands, each of the respective center frequencies of ~~a~~ the plurality of passbands[[,]] ~~the center frequency of each passband~~ being electrically adjustable by the exciter.

6. (Cancelled)

7. (Currently Amended) The assembly of claim [[2]] 1, the at ~~least one frequency characteristic comprising~~ a given stopband filter from the at least one passband filter having a plurality of stopbands, each of the respective center frequencies of ~~a~~ the plurality of stopbands[[,]] ~~the center frequency of each stopband~~ being electrically adjustable by the exciter.

8. (Original) The assembly of claim 1, the signal distributor comprising a time division demultiplexer.

9. (Original) The assembly of claim 1, the signal distributor comprising a plurality of decoders, providing respective despreading codes to a multi-carrier signal.

10. (Original) The assembly of claim 1, the exciter and the digital-to-analog converter being located at a first location, and at least one of the plurality of antennas being located at a second location, spatially remote from the first location.

11. (Original) The assembly of claim 10, at least one antenna being located at a third location, spatially remote from the first location and the second location.

12-33. (Cancelled)

34. (Currently Amended): A method of transmitting a multi-carrier signal, comprising:

generating a digital multi-carrier signal at an exciter;

converting the digital multi-carrier signal into an analog multi-carrier signal;

distributing the analog multi-carrier signal into a plurality of analog signals, where distributing the analog multi-carrier signal comprises filtering a plurality of copies of the multi-carrier analog signal at respective tunable filters, at least one of the tunable filters ~~beign~~ being a multiband tunable filter; and

providing the plurality of analog signals to respective antennas for transmission.

35 and 36. (Cancelled)

37. (Original) The method of claim 34, the distributing of the analog multi-carrier signal comprising deserializing a plurality of carrier signals comprising the multi-carrier signal.

38-43. (Cancelled).

44. (Currently Amended): A receiver assembly, comprising:

a plurality of antennas that each receive an analog signal comprising at least one frequency band of interest and at least one frequency band containing an interfering signal;

an analog-to-digital converter that creates a digital representation of each analog signal;

a digital processing component that receives the digital representation of each analog signal and produces a control signal from each digital representation, representing an associated antenna, specifying the at least one frequency band containing the interfering signal; and

a plurality of electrically adjustable stopband filters, each electrically adjustable stopband filter being associated with one of the plurality of antennas, a given electrically adjustable stopband filter being electrically adjustable to change respective associated center frequencies of at least one stopband ~~at least one frequency characteristic~~ associated with the filter in response to the control signal associated with the associated antenna of the given adjustable filter as to

attenuate the specified at least one frequency band ~~within~~ within the analog signal received at the associated antenna of the given adjustable filter.

45-47. (Cancelled).

48. (Currently Amended) The assembly of claim [[47]] 44, further comprising a signal combiner that combines the analog signals from the plurality of antennas into a multi-carrier signal and an analog-to-digital converter that converts the analog multi-carrier signal into a digital multi-carrier signal.

49. (New) The receiver assembly of claim 48, the signal combiner comprising at least one mixer for downconverting analog carrier signals, a given mixer being associated with a respective one of the at least one antennas and having an associated intermediate frequency.

50. (New) The receiver assembly of claim 48, the signal combiner comprising a frequency multiplexer.

51. (New) The receiver assembly of claim 48, the signal combiner comprising a code division multiple access multiplexer.

52. (New) The receiver assembly of claim 48, the signal combiner comprising a plurality of coders that provide respective spreading codes to the analog carrier signals, the respective spreading codes being mutually orthogonal.

53. (New) The receiver assembly of claim 48, the signal combiner comprising a bypass, such that a carrier signal from at least one of the pluralities of antennas can bypass the signal combiner.

54. (New) The receiver assembly of claim 48, the analog-to-digital converter and the digital processing component being located at a first location, and a first of the plurality of antennas being located at a second location, spatially remote from the first location.

55. (New) The receiver assembly of claim 54, a second of the plurality of antennas being located at a third location, spatially remote from the first location and the second location.

56. (New) A receiver assembly, comprising:

a plurality of antennas that each receive an analog signal comprising at least one frequency band of interest and at least one frequency band containing an interfering signal;

an analog-to-digital converter that creates a digital representation of each analog signal;

a digital processing component that receives the digital representation of each analog signal and produces a control signal from each digital representation, representing an associated antenna, specifying the at least one frequency band containing the interfering signal; and

a plurality of electrically adjustable passband filters, each electrically adjustable passband filter being associated with one of the plurality of antennas, a given electrically adjustable passband filter being electrically adjustable to change respective associated center frequencies of at least one passband associated with the filter in response to the control signal associated with the associated antenna of the given adjustable filter as to attenuate the specified at least one frequency band within the analog signal received at the associated antenna of the given adjustable filter.

57. (New) The assembly of claim 56, further comprising a signal combiner that combines the analog signals from the plurality of antennas into a multi-carrier signal and an analog-to-digital converter that converts the analog multi-carrier signal into a digital multi-carrier signal.

58. (New) The receiver assembly of claim 57, the signal combiner comprising at least one mixer for downconverting analog carrier signals, a given mixer being associated with a respective one of the at least one antennas and having an associated intermediate frequency.

59. (New) The receiver assembly of claim 57, the signal combiner comprising a frequency multiplexer.

60. (New) The receiver assembly of claim 57, the signal combiner comprising a code division multiple access multiplexer.

61. (New) The receiver assembly of claim 57, the signal combiner comprising a plurality of coders that provide respective spreading codes to the analog carrier signals, the respective spreading codes being mutually orthogonal.

62. (New) The receiver assembly of claim 57, the signal combiner comprising a bypass, such that a carrier signal from at least one of the pluralities of antennas can bypass the signal combiner.

63. (New) The receiver assembly of claim 57, the analog-to-digital converter and the digital processing component being located at a first location, and a first of the plurality of antennas being located at a second location, spatially remote from the first location.

64. (New) The receiver assembly of claim 63, a second of the plurality of antennas being located at a third location, spatially remote from the first location and the second location.